

CLAIMS

What is claimed is:

1. An assembly for orienting a tire on a wheel in a position compatible with a tool capable of mating the tire with the wheel, comprising:
 - 5 a device for supporting a wheel having spaced seats extending around a vertical axis;
 - a tire support for supporting a tire having spaced beads on the wheel with one bead looped between the seats and outside the seats;
 - 10 said tire support including a tread support for engaging the tread of the tire and a side support for engaging the side of the tire; and
 - 15 said tire support of said assembly characterized by said side support being adjustably supported on said tread support.
2. An assembly for mating a tire with a wheel as set forth in Claim 1, wherein said tread support includes connectors for adjusting said tread support horizontally to and away from said vertical axis on said tire support.
3. An assembly for mating a tire with a wheel as set forth in Claim 2, wherein said tread support is defined by a pair of walls.
- 20 4. An assembly for mating a tire with a wheel as set forth in Claim 3, wherein said wall presents top and bottom ends interconnected by inclined sides.
5. An assembly for mating a tire with a wheel as set forth in Claim 4, wherein said wall includes a first female connector.

6. An assembly for mating a tire with a wheel as set forth in Claim 5, wherein said first female connector is further defined by a pair of slots.

7. An assembly for mating a tire with a wheel as set forth in Claim 6,
5 wherein said slots are spaced one from the other and defined between said top and bottom ends of said wall.

8. An assembly for mating a tire with a wheel as set forth in Claim 7, wherein side support is defined by a pair of arms having terminal ends, respectively.

10

9. An assembly for mating a tire with a wheel as set forth in Claim 8, wherein said arm includes a second female connector defined between said terminal ends of said arm.

15 10. An assembly for mating a tire with a wheel as set forth in Claim 9, wherein said second female connector is defined by an elongated opening.

11. An assembly for mating a tire with a wheel as set forth in Claim 10, wherein said female connector of said arm is positioned perpendicularly and adjustably
20 with respect to said female connector of said wall.

12. An assembly for mating a tire with a wheel as set forth in Claim 11, including a male connector extending between said female connectors of said wall and said arm to interconnect said arm with said wall.

25

13. An assembly for mating a tire with a wheel as set forth in Claim 12, wherein said male connectors is defined by a pair of bolts.

14. An assembly for mating a tire with a wheel comprising:

5 a conveyance device for supporting the tire and the wheel thereon and presenting a longitudinal axis;

a first surface connected to said conveyance device for supporting the wheel of a predetermined configuration and presenting a vertical axis for engaging the wheel around said vertical axis;

10 a second surface connected to said conveyance device for supporting a tire having a configuration complementary to the predetermined configuration of the wheel;

first and second supporting elements for supporting and positioning the tire with respect to the wheel; and

15 said second supporting element adjustably secured with said first element presenting a supporting axis diverging with respect to said longitudinal and said vertical axis to present a seat having a predetermined configuration complementary to the configuration of the tire for positioning thereby tire with respect to the wheel.

20 15. An assembly for mating a tire with a wheel as set forth in Claim 14, wherein said first supporting element includes connectors for adjusting said first supporting element horizontally to and away from said vertical axis on said second surface.

16. An assembly for mating a tire with a wheel as set forth in Claim 15,
wherein said first supporting element is defined by a pair of walls.

17. An assembly for mating a tire with a wheel as set forth in Claim 16,
5 wherein said wall presents top and bottom ends interconnected by inclined sides.

18. An assembly for mating a tire with a wheel as set forth in Claim 17,
wherein said wall includes a first female connector.

10 19. An assembly for mating a tire with a wheel as set forth in Claim 18,
wherein said first female connector is further defined by a pair of slots.

20. An assembly for mating a tire with a wheel as set forth in Claim 19,
wherein said slots are spaced one from the other and defined between said top and
15 bottom ends of said wall.

21. An assembly for mating a tire with a wheel as set forth in Claim 20,
wherein second supporting element is defined by a pair of arms having terminal ends,
respectively.

20

22. An assembly for mating a tire with a wheel as set forth in Claim 21,
wherein said arm includes a second female connector defined between said terminal
ends of said arm.

23. An assembly for mating a tire with a wheel as set forth in Claim 22, wherein said second female connector is defined by an elongated opening.

24. An assembly for mating a tire with a wheel as set forth in Claim 23, 5 wherein said female connector of said arm is positioned perpendicularly and adjustably with respect to said female connector of said wall.

25. An assembly for mating a tire with a wheel as set forth in Claim 24, including a male connector extending between said female connectors of said wall and 10 said arm to interconnect said arm with said wall.

26. An assembly for mating a tire with a wheel as set forth in Claim 25, wherein said male connectors is defined by a pair of fasteners.

15 27. An assembly for supporting a tire upon a wheel in a position suitable for mating the tire to the wheel, comprising:

16 a first supporting element defining first and second slots; and
17 a second supporting element defining a third slot interconnected with
18 each of said first and second slots by male fasteners thereby providing varying degrees
19 of orientation between said first and second supporting elements for providing a seat
20 having a desirable orientation for supporting the tire against the wheel.

28. An assembly for supporting a tire upon a wheel in a position suitable for mating the tire to the wheel, as set forth in Claim 27, wherein said first slot is further defined by said first supporting element including an elongated slot of a generally vertical orientation defined in said first supporting element.

5

29. An assembly for supporting a tire upon a wheel in a position suitable for mating the tire to the wheel, as set forth in Claim 28, wherein said second slot is further defined by said first supporting element including another elongated slot of a generally vertical orientation defined in said first supporting element and spaced from said first 10 elongated slot.

30. An assembly for mating a tire with a wheel as set forth in Claim 29, wherein said third slot is further defined by said second supporting element including an elongated slot defined therein and oriented transversely with respect to said first and 15 second elongated slots.

31. An assembly for mating a tire with a wheel as set forth in Claim 30, wherein said second supporting element being movable horizontally about said fasteners and with respect to said vertical axis.

20

32. An assembly for mating a tire with a wheel as set forth in Claim 31, wherein said second supporting element being pivotably movable with respect to said longitudinal axis thereby diverging to and from said longitudinal axis.

33. An assembly for mating a tire with a wheel as set forth in Claim 32, wherein said second supporting element being movable in a vertical direction about said first and second elongated slots presenting a surface planar with said longitudinal axis.

5 34. An assembly for mating a tire with a wheel as set forth in Claim 33, wherein said second supporting element is defined by a pair of arms adjustable secures with the respective walls.

10 35. An assembly for mating a tire with a wheel as set forth in Claim 34, wherein said first supporting element is defined by a pair of wall spaced from one the other.